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B.Tech.(BT) (2012 to 2017) (Sem.-4)
INTELLECTUAL PROPRIETARY RIGHTS BIOETHICS
AND BIOSAFETY

Subject Code : BTBT-405

M.Code : 55088

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.**
3. **SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.**

SECTION-A

1. **Explain briefly :**
 - a. Good safety practices
 - b. Biological weapons
 - c. Geographical indications
 - d. Patent
 - e. Trade secret
 - f. Bioethics
 - g. Transgenic
 - h. Tangible property
 - i. Provisional specifications
 - j. Biohazard

SECTION-B

2. Why is bioethics essential in life sciences and biological field?
3. What are different hazardous group of microorganisms? On what basis such groups are defined? Explain by giving suitable example in each group?
4. Define different levels of containment in biotechnological work. Why are they needed?
5. What is Cartagena protocol? How it addresses transboundary movement of GM crops and food?
6. What are the basic requirements of patentability? What is novelty and non-obviousness?

SECTION-C

7. Explain different patent laws that are used for the protection of inventions in the Indian systems.
8. What are the principal features of Paris Convention? Explain.
9. What is PCT? What are its advantages?

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.